Agency Electronic Health Record System Task Force Webinar

Wednesday, March 10, 2010 Helen F. Shoemaker, RN, MS, COHN-S/CM

Agenda

- EHRS Project Update
- Medgate User Group Conference
 - Networking Opportunities
 - Enhancements
 - GX
- Configurations Issues
 - Labs
 - CPT/ICD-9 Codes
 - Discretionary Tests
 - Immunization Series
 - Visits and Revisits
 - Protocols Outside of Recall Definitions
 - Billing
 - Clinical Workflows
- Action Items

EHRS Project Update

- Contract modification with Medgate
- Contract for hosting
- Disaster recovery site
- EHRS Project Team
 - System testing and configuration
 - Demographic feed
 - Audiograms
 - Laboratory interfaces
- EHRS Records Management Plan

Medgate User Group Conference

- Networking
- Enhancements
- Medgate GX
 - Configurable
 - Custom views
 - Screens standardized
 - Generic import utility
 - Vaccine inventory module
 - Letters
 - Dashboard

Configuration: Labs

Laboratory requirements

Review Center specific lab requirements

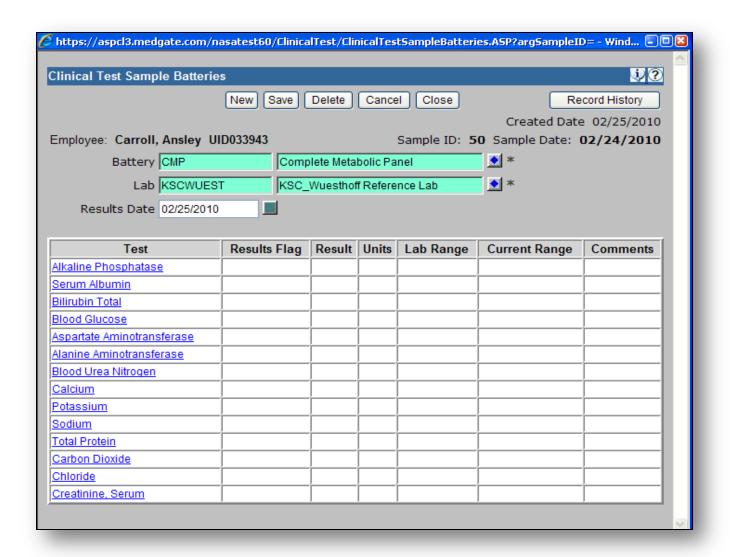
submitted

- CBC, CMP

Lipid Profiles

					New Sav	/e Delete C	ancel List	Record History
							Created	Date 02/25/201
Sample ID 50			Medica	tions				
Employee Carroll, Ansley UII	0033943 *		Comme					
Sample Date 02/24/2010	*		Commit	1100				
Sample Time 08:00								
Sample Type Blood								
Fasting 🗸 Verified? 🗌	Private Data							
Specimen ID								
Health Center KSCCLIN Kenne	Signed	Ву						
Practitioner SHOEMAKER Helen	Shoemaker, RN	<u>*</u>	Signed	Date/Time				Sign
NASA CENTER	KSC	Kennedy Space Center	M EMPLOYER	UNK	UNKNOWN		<u>*</u>	
EMPLOYEE TYP	E NCONTRCTR	NASA Contractor	MAIL CODE	202-3	202-3		<u>*</u>	
BLDG	29	29					<u>*</u>	
Shift			<u>•</u>					
atteries								Nev
	Battery			Lab			Results Date	9
omplete Blood Count	KSCWUEST			02/25/2010				
omplete Metabolic Panel			KSCWUEST			02/25/2010		

Configuration: Labs



Configuration: Codes

- ICD-9 Codes
 - 401 EssentialHypertension
 - 250 Diabetes Mellitus
- NASA Codes
 - 000DX043 Hypertension
 - 000DX019 DiabetesMellitus

- CPT Codes
 - 85049 CBC (Blood Cell Count)
 - 99173 Screening test of visual acuity, quantitative, bilateral
- NASA Codes:
 - 000PR002 Audiogram
 - 000PR013 EKG

Configuration: Activity Counts

- Visits and Revisits
 - Total number of visits by visit reason
 - Number of revisits?
- Exam Activities
 - Examination Types
 - Lead Surveillance
 - Health Maintenance Exams
 - Fitness Center Clearance
 - Activities
 - Audiogram
 - CBC
 - Vision
- Immunizations

Report: Clinic Visit Reasons

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Clinic Visit Counts by Visit Reason

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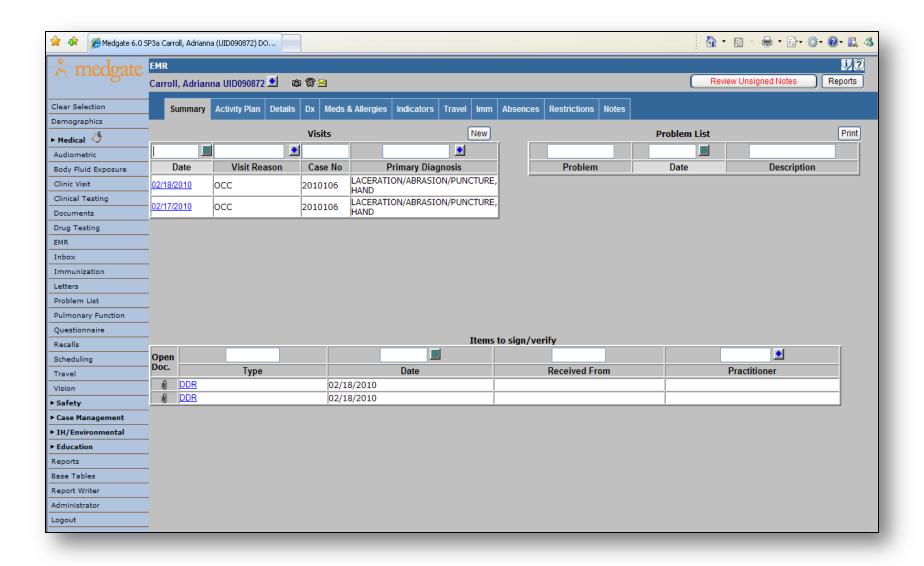
Date 03/08/2010

Report Clinic Visit Utilization_SQL.rpt

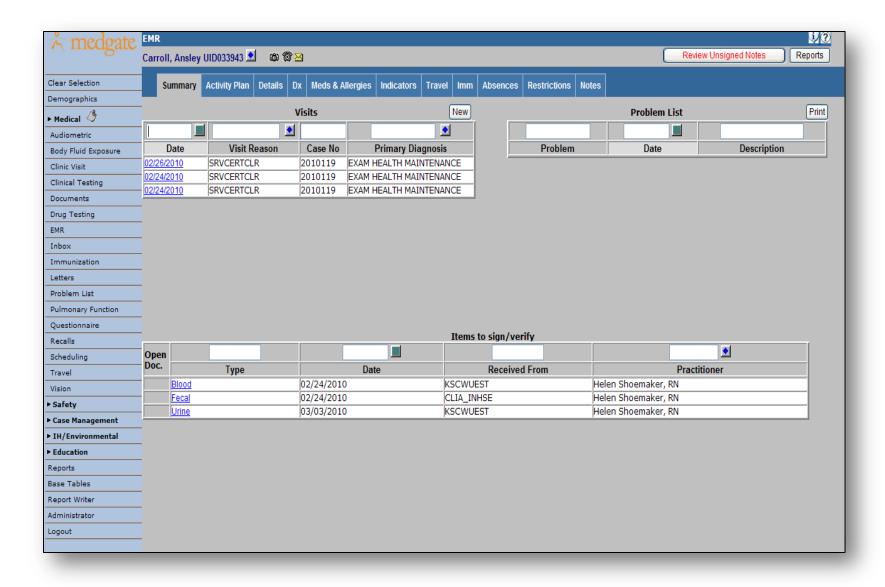
Visit Date from 02/17/2010 to 02/26/2010

Visit Reason	Number of Vis	its	Percentage
Primary Prevention		8	33.33%
Surveillance/Certification/Clearance		8	33.33%
Non-Occupational Illness/Injury		3	12.50%
Occupational Illness/Injury		2	8.33%
Fitness For Duty		1	4.17%
International Travel		1	4.17%
Pre-Placement		1	4.17%
	Total:	24	100.00%

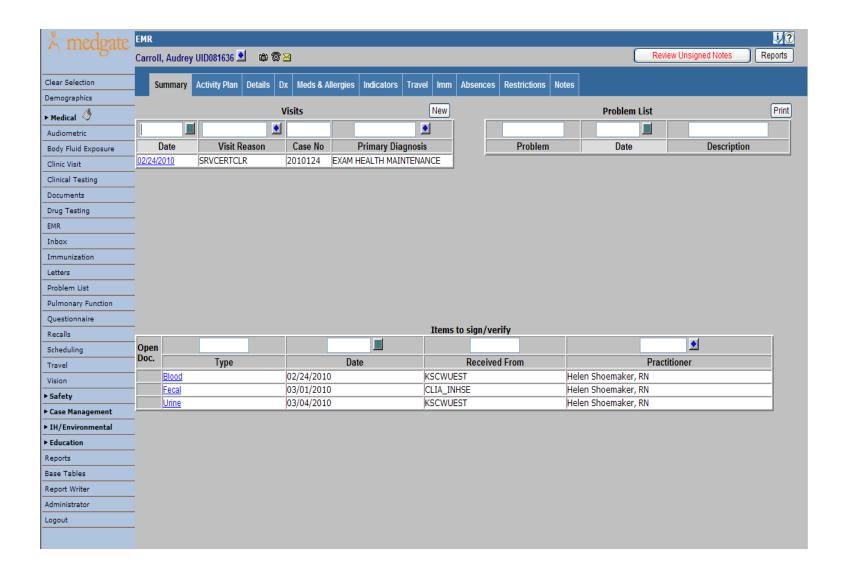
Occupational Injury w/ Revisit



Clinical Visits and Revisits



Clinic Visits and Revisits



Report: Clinic Visit Activity

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Clinic Visit Counts by Activity

03/08/2010

Date ClinicVisitUtilization_SQL.rpt

Visit Date from Report Title (String) 5/2010

Activity	Number of Visits	Percentage
Physical Examination	6	7.14%
Audiogram	5	5.95%
Complete Metabolic Panel	3	3.57%
Pulmonary Function Test	3	3.57%
Urinalysis	3	3.57%
Vision Screening/Evaluation	3	3.57%
Health Maintenance Exam Complete	2	2.38%
Antigen Administration	2	2.38%
Blood Glucose Inhouse/Glucometer	2	2.38%
Body Mass Index / % Body Fat Screen	2	2.38%
Complete Blood Count	2	2.38%
Electrocardiogram	2	2.38%
Exercise Stress Test	2	2.38%
Fecal, Occult Blood Sample	2	2.38%
Health Risk Assessment Offered	2	2.38%
Medical History Questionnaire	2	2.38%
Occupational History Questionnaire	2	2.38%
Skin Cancer Screening Offered	2	2.38%
Tdap Vaccination	2	2.38%
Fitness Center Clearance	1	1.19%
Hearing Conserv/Noise Surveillance Group	1	1.19%
Lead Surveillance Group	1	1.19%
Occupational Respirator Med Certification	1	1.19%
Blood Pressure Screen	1	1.19%
Breast Examination	1	1.19%
Breast Self-Examination Education	1	1.19%
CBC w/Differential and RBCMorphology (Smear)	1	1.19%

4	A	В	С
	IEDICAL SURVEILLANCE EXAMS AND EXAM ACTIVITIES		
	ctivity	Number	Percenta
3	"Fitness Center Clearance""	1	1.19%
4	"Health Maintenance Exam Complete""	2	2.38%
5	"Hearing Conserv/Noise Surveillance Group""	1	1.19%
6	"Lead Surveillance Group""	1	1.19%
	*Occupational Respirator Med Certification***	1	1.19%
8 A	ntigen Administration	2	2.38%
	udiogram	5	5.95%
10 B	lood Glucose Inhouse/Glucometer	2	2.38%
11 B	lood Pressure Screen	1	1.19%
2 B	ody Mass Index / % Body Fat Screen	2	2.38%
	reast Examination	1	1.19%
4 B	reast Self-Examination Education	1	1.19%
_	BC w/Differential and RBCMorphology (Smear)	1	1.19%
	hart Review	i	1.19%
_	omplete Blood Count	2	2.38%
	omplete Metabolic Panel	3	3.57%
_	iscretionary Vaccines Offered/Status Addressed	1	1.19%
_	uty Status Report/Restrictions	i	1.19%
_	lectrocardiogram	2	2.38%
	zercise Stress Test	2	2.38%
			2.38%
	ecal, Occult Blood Sample	2	2.38%
_	ealth Risk Assessment Offered		1.19%
_	earing Conservation Questionnaire	1	
	fluenza Vaccine	1	1.19%
_	ead, Blood	1	1.19%
	pid Profile	1	1.19%
	leasles, Mumps, Rubella Vaccine	1	1.19%
_	ledical History Questionnaire	2	2.38%
_	ccupational History Questionnaire	2	2.38%
	ap Smear	1	1.19%
	hysical Activity Readiness Questionnaire	1	1.19%
_	hysical Examination	6	7.14%
	olio Yaccine	1	1.19%
86 P	ulmonary Function Test	3	3.57%
7 R	espirator Medical Certification Letter	1	1.19%
8 R	espirator OSHA Questionnaire	1	1.19%
9 S	kin Cancer Screening Offered	2	2.38%
0 S	moking Cessation Program	1	1.19%
11 S	tandard Certification/Clearance Letter	1	1.19%
2 S	tandard ¥ritten Medical Opinion	1	1.19%
3 T	dap Vaccination	2	2.38%
	etanus & Diptheria Yaccination (Td)	1	1.19%
	ravel Health Examination	1	1.19%
6 T	ravel Kit	1	1.19%
_	rinal¶sis	3	3.57%
	rinalysis with Microscopic	1	1.19%
	rine Dip Screen	i	1.19%
	ision Screening/Evaluation	3	3.57%
_	inc Protoporphyrin	1	1.19%
52	mo i rocoporphym	84	100.00%

Report: Immunization Counts

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Immunization Counts Report

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03/08/2010

Report

Page

Date

ImmunizationCountsReport.rpt

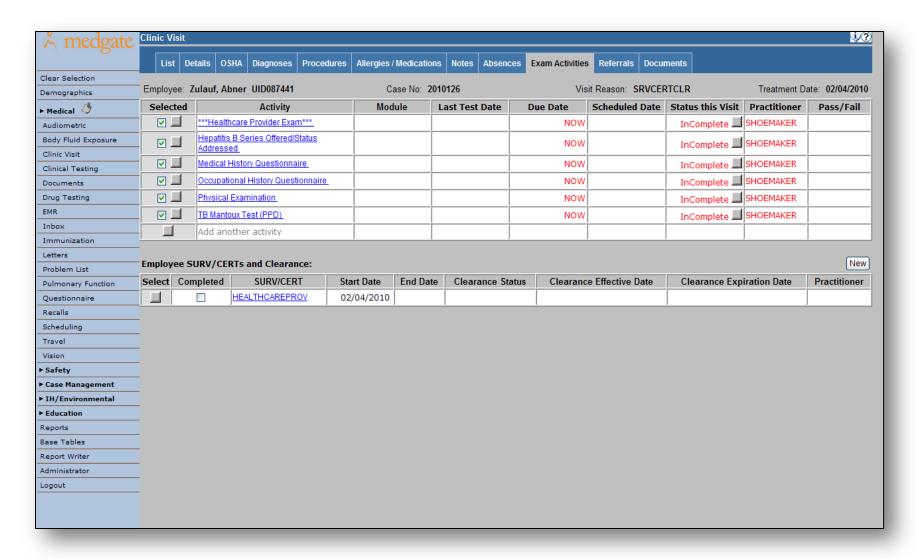
Date from 02/17/2010 to 03/26/2010

Immunization/Test	Total By Immunization	% of Total
Tetanus, Diphtheria, Pertussis	2	33.33%
Influenza Vaccine	1	16.67%
Measles, Mumps, Rubella	1	16.67%
Polio (Inactivated) Vaccine IPV	1	16.67%
Tetanus & Diptheria	1	16.67%
	Total: 6	100.00%

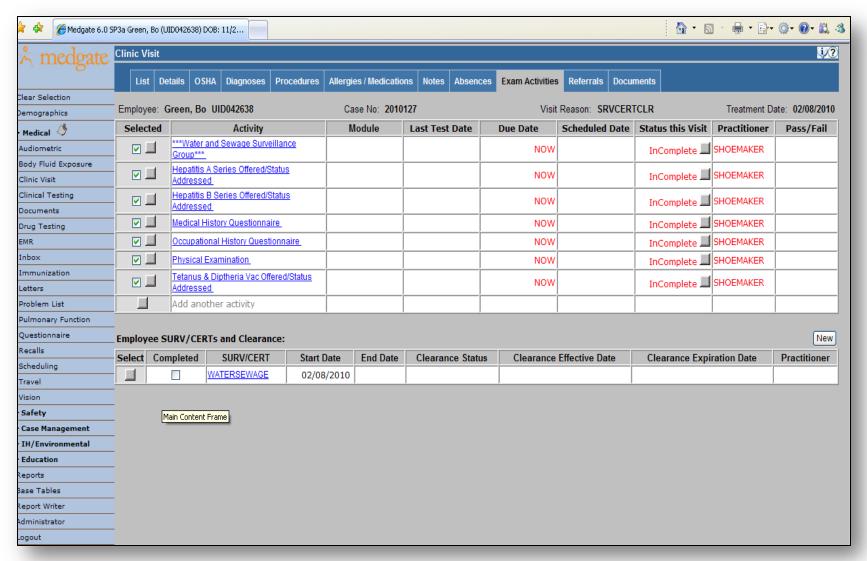
Configuration: Exam Activities

- Medical History Questionnaire
- Occupational History questionnaire
- Discretionary tests offered/status addressed
- Immunization series offered/status addressed
- Protocols outside of recall definitions
 - Length of exposure, e.g., silica dust
 - Abnormal lab results, e.g., lead, cadmium
 - Exam frequency, e.g., beryllium, DOT

Discretionary Vaccines



Discretionary Vaccines



		From		Date	Date	Gap	Period	
<u>Audiogram</u>	В	o	99			1	у	V
CBC w/Differential and Platelets	В	o	99			1	у	~
Comprehensive Metabolic Panel	В	О	99			1	у	~
<u>Discretionary Tests</u> <u>Offered/Status</u> <u>Addressed</u>	В	О	99			1	У	~
Electrocardiogram	В	o	99			1	у	~
Firefighter Certification Letter	В	О	99			1	у	✓
Firefighter Medical Certification	В	О	99			1	у	✓
Hepatitis A Series Offered/Status Addressed	В	О	99			1	У	~
Hepatitis B Series Offered/Status Addressed	В	О	99			1	У	~
Hepatitis B Surf Ab Titer Offered/Status Addressed	В	О	99			1	У	~
Hepatitis C Antibody	В	o	99					~
Lipid Profile / Panel	В	О	99			1	У	~
<u>Mammogram</u>	F	40	99			1	У	V
Medical History Questionnaire	В	О	99			1	у	~
Measles, Mumps, Rubella Vac Offered/Status Addr	В	О	99			1	У	V
Occupational History Questionnaire	В	О	99			1	у	V
Pulmonary Function Test	В	О	99			1	у	✓
Physical Examination	В	О	99			1	У	<u>~</u>
Polio Vaccine Offered/ Status Addressed	В	О	99			1	У	<u>~</u>
TB Mantoux Test (PPD)	В	О	99			1	У	<u>~</u>
Prostate Specific Antigen Test	м	50	99			1	У	<u>~</u>
Tetanus & Diptheria Vaccination (Td)	В	О	99			10	У	<u>~</u>
Urinalysis with Microscopic	В	o	99			1	У	<u>~</u>
Varicella Vaccine Offered/Status Addressed	В	o	99			1	У	~
Vision Screening/Evaluation	В	О	99			1	у	~
X-Ray, Chest (14 x 17 PA View)	В	О	99			5	У	✓

Configuration: Billing

- Which Centers are required to bill back some/all clients for clinical services?
 - Who are you billing?
 - Contractors
 - Other Federal agencies
 - Insurance
 - Other
 - How will you need the data?
 - Company
 - Contract
 - Other
 - What data?
 - Single fee by exam type
 - Itemized
 - Other

Action Items

All Centers

- Review and update the labs for each exam protocol.
- Send updated/new labs and protocols to Nancy Eckhardt.

Agency OH Office

- Send each Center a copy of their spreadsheet with labs submitted.
- Update base tables (labs and exam protocols) after receipt from Centers.
- Request environmental copy (Medgate) so Centers can review any Center specific protocols in the Medgate test environment.
- Schedule reviews of labs/protocols and discuss workflow process issues with each Center.
- Collect additional information on the impact of OHM.
- Contact Safety regarding the IRIS reporting requirements (ICD-9 code versus diagnosis).
- Evaluate the use of SNOMED for diagnosis codes in Medgate.
- Schedule another meeting to revisit diagnosis codes, procedure codes, billing, and indicators.